



State of Utah

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Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

C/015/032 Incoming
cc: Steve C,
Karl H. OK

December 16, 2010

Mr. Dave Shaver, Resident Agent
Genwal Resources, Inc.
794 North C Canyon Road
P.O. Box 910
East Carbon, UT 84520

Subject: UPDES Inspection - Crandall Canyon Mine (UT0024368).

Dear Mr. Shaver:

On December 1, 2010 I conducted a Reconnaissance Inspection of Genwal Resources, Inc. As you know I met with you, Dana Marrelli and Scott Dimick in the iron treatment building. Enclosed is a report of that inspection. There were no deficiencies noted and no response is required at this time.

If you have any questions, please contact me at (801) 536-4386 or by e-mail at mherkimer@utah.gov.

Sincerely,

Mike Herkimer, Environmental Scientist
UPDES Engineering Section

JK:MH:mc

Enclosures

cc (w/encl): Stephanie Gieck, EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mining
Dana Marrelli, UEI West Ridge Mine

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DIV. OF OIL, GAS & MINING

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United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

Transaction Code [N] 1	NPDES [U][T][0][0][2][4][3][6][8] 311	yr/mo/day [1][0][1][2][0][1] 1217	Inspection Type [R] 18	Inspector [S] 19	Fac. Type [2] 20
Remarks 21 66					
Inspection Work Days [2] 67 69	Facility Self-Monitoring Evaluation Rating [4] 70	BI [D] 71	QA [N] 72	Reserved 73 74 75 80	

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Crandall Canyon Mine (a.k.a. Genwal Resources, Inc.) UtahAmerican Energy, Inc. ~1.5 miles up Crandall Canyon off Hwy. 31 in Huntington Canyon NW of Huntington, UT	Entry Time/ Date 9:30 am/ 12-1-2010	Permit Effective Date 12-1-2005
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Dave Shaver, Resident Agent 435-888-4017 Dana Marrelli, Facility Representative 435-888-4026 Scott Dimick, Crandall Iron Treatment Plant Operator 435-637-1101	Exit Time/ Date 12:30 pm/ 12-1-2010	Permit Expiration Date 11-30-2010
Name, Address of Responsible Official/Title/Phone and Fax Number David Hibbs, President & Dave Shaver, Resident Agent UtahAmerican Energy, Inc. P.O. Box 1077 Price, UT 84501 (435) 888-4008	Other Facility Data (e.g., SIC NAICS, and other descriptive information) Bituminous Coal Underground Mining Facility SIC Code 1222 NAICS 212112 SEE ATTACHED	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Self Monitoring Program	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> MS4
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Compliance Schedule	<input type="checkbox"/> Pollution Prevention	
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	
<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow	
<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes [][][][]	SEV Description _____
[][][][]	_____
[][][][]	_____
[][][][]	_____

Name(s) and Signature(s) of Inspector(s) Mike Herkimer, Environmental Scientist 	Agency/Office/Phone and Fax Number(s) DWQ (801) 536-4386	Date: 12/16/2010
N/A		
Name and Signature of Management QA Reviewer John Kennington Engineering Section 	Agency/Office/Phone and Fax Number(s) DWQ (801) 536-4380	Date: 12/16/2010

INSTRUCTIONS

Section A: National Data System Coding (i.e., ICIS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc. (Use the Remarks columns to record the State permit number, if necessary.)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit	X Toxics Inspection	6 IU Non-Sampling Inspection with Pretreatment
B Compliance Biomonitoring	Z Sludge - Biosolids	7 IU Toxics with Pretreatment
C Compliance Evaluation (non-sampling)	# Combined Sewer Overflow-Sampling	! Pretreatment Compliance (Oversight)@
D Diagnostic	\$ Combined Sewer Overflow-Non-Sampling	Follow-up (enforcement)
F Pretreatment (Follow-up)	+ Sanitary Sewer Overflow-Sampling	{ Storm Water-Construction-Sampling
G Pretreatment (Audit)	& Sanitary Sewer Overflow-Non-Sampling	} Storm Water-Construction-Non-Sampling
I Industrial User (IU) Inspection	\ CAFO-Sampling	: Storm Water-Non-Construction-Sampling
J Complaints	= CAFO-Non-Sampling	~ Storm Water-Non-Construction-Non-Sampling
M Multimedia	2 IU Sampling Inspection	< Storm Water-MS4-Sampling
N Spill	3 IU Non-Sampling Inspection	- Storm Water-MS4-Non-Sampling
O Compliance Evaluation (Oversight)	4 IU Toxics Inspection	> Storm Water-MS4-Audit
P Pretreatment Compliance Inspection	5 IU Sampling Inspection with Pretreatment	
R Reconnaissance		
S Compliance Sampling		
U IU Inspection with Pretreatment Audit		

Column 19: Inspector Code. Use one of the codes listed below to describe the lead agency in the inspection.

A- State (Contractor)	O- Other Inspectors, Federal/EPA (Specify in Remarks columns)
B- EPA (Contractor)	P- Other Inspectors, State (Specify in Remarks columns)
E- Corps of Engineers	R- EPA Regional Inspector
J- Joint EPA/State Inspectors—EPA Lead	S- State Inspector
L- Local Health Department (State)	T- Joint State/EPA Inspectors—State lead
N- NEIC Inspectors	

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1- Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2- Industrial. Other than municipal, agricultural, and Federal facilities.
- 3- Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4- Federal. Facilities identified as Federal by the EPA Regional Office.
- 5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

Reconnaissance Inspection

Genwal Resources, Inc.

UPDES Permit Number (UT0024368)

December 1, 2010

Facility Description

Location: Approximately 15 miles northwest of Huntington, Utah in Crandall Canyon (1.5 miles west of Highway 30) Latitude 39°27'38", Longitude 111°09'59".

Main Office: At Crandall Canyon Mine. Mailing address is the address for West Ridge Mine: 794 North C Canyon Road, P.O. Box 910, East Carbon, Utah 84520. Dave Shaver is the Resident Agent for Crandall Canyon Mine and can be reached at 435-888-4017. The main contact for the mine is Dana Marrelli at 435-888-4026.

Design Capacity: 1.5 MGD

Receiving Water: Crandall Canyon Creek to the Huntington River

Description & Process: Inactive underground coal mining operation. The mine drainage is considered alkaline in nature. The plant has two discharge points. Discharge point 001 is designed to capture and treat surface drainage and discharge point 002 consists of an iron treatment system for the mine water.

Narrative

Weather conditions at the time of the inspection were cold (lower 30's or upper 20's) and partly cloudy with occasional wind gusts up to around 10 MPH. It had snowed earlier in the morning. The facility was discharging to Crandall Canyon Creek.

The reason for the inspection was for the new permit writer to gain familiarity with the iron treatment system and to observe the existing conditions of the mine site and Crandall Canyon Creek.

Crandall Canyon Creek upstream and downstream was observed and everything looked normal. The iron treatment system was observed and appeared to be functioning properly. Since March of 2010 through October of 2010 the mine has met its iron

effluent limitation requirements as well as all other permit limitations. Discharge from 002 is measured by an in-line flow meter (Grayline Instruments AVFM-2 area velocity flow meter), and it is doubtful there ever will be a discharge from 001, but if there is flow it will be measured by the bucket and stop watch method.

Scott Dimick is the on-site operator of the iron treatment system at the Crandall Canyon Mine. His phone number is 435-637-1101.

Deficiencies

None

Recommendations

None